

## Claims

1. Device for damping oscillations of a combustion chamber (1), whereby at least one resonator (5, 5a, 5b) is connected to the combustion chamber (1) in a vibration-damping manner, characterized in that the at least one resonator (5, 5a, 5b) is connected to a pre-chamber (7, 17) in a vibration-damping manner and the pre-chamber (7) is connected to the combustion chamber (1) in a vibration-damping manner via at least one passage channel (8, 18).
2. Device according to claim 1, characterized in that the combustion chamber (1) adjoins an injection head (3) with at least one injection element (4), which injection head is embodied to conduct a fuel flow into the combustion chamber (1), and the pre-chamber (7, 17) is fluidically arranged before the at least one injection element (4).
3. Device according to claim 1, characterized in that the combustion chamber (1) adjoins an injection head (3) with at least one injection head (4), which injection head is embodied to conduct a fuel flow into the combustion chamber (1), and the pre-chamber (7, 17) is fluidically arranged in the area of the at least one injection element (4).
4. Device according to one of claims 1 through 3, characterized in that the pre-chamber (7, 17) is connected fluidically with a fuel flow.
5. Device according to one of claims 1 through 4, characterized in that the passage channel (8, 18) is embodied as part of an injection element (4).